Amendments to the Claims

These claims will replace all prior versions, and listings, of claims in the application:

Claims 1-11   (canceled)

12.   (New)   A device for managing an authorized domain, comprising:

    means for providing a map of the authorized domain, said map including an identifier area for containing identifiers corresponding to other devices, and at least one property area for containing properties of the identifiers, said at least one property area being mapped on the identifier area such that each individual property of said properties is mapped to an individual one of said identifiers, and said properties being arranged to provide information about updates;

    means for obtaining map contents of another device for managing the authorized domain; and

    means for comparing the contents of the map with said map contents of said another device, and for determining, on basis of the comparison, whether to perform any updates of the map, said at least one property area including two property areas for containing two different types of properties comprised in said properties, one of said two property areas being a state area for containing states

and the other one being a sequence number area for containing sequence numbers, wherein each one of said states is one of a set of at least two different types of states comprising a state of added and a state of removed, wherein each state is shiftable between said different types of states, and wherein each sequence number represents a number of shifts of an associated state from at least one of said different types of states to at least another one of said different types of states.

13. (New) The device according to claim 12, wherein said means for obtaining map contents includes means for directly exchanging map contents with said another device.

14. (New) The device according to claim 12, wherein said means for obtaining map contents includes means for reading a separate storage means.

15. (New) The device according to claim 12, wherein said means for obtaining map contents is arranged for obtaining said map contents from a map handling device of the authorized domain.

16. (New) The device according to claim 12, further comprising means for determining that property data regarding an identifier of

the map of said another device should be added to the own map at
fulfilment of at least one condition of a set of conditions
including at least the condition of the identifier missing in the
map and the combined condition of the identifier existing in the
map and a comparison value, which assures that the property data
regarding the identifier was last acted upon in the map of said
another device, said comparison value being determined by a
comparison of at least one property of said properties in the map
with the corresponding property of the map of said another device.

17. (New) The device according to claim 16, wherein said at least
one property of said properties in the map comprises the sequence
number, and, in case of equal sequence numbers, further comprises
the state, wherein at least said state of added and said state of
removed are represented by different values.

18. (New) A system comprising:

     a plurality of devices interconnectable by means of a network
and being arranged as an authorized domain, wherein at least two of
said plurality of devices are acting as authorized domain managers;
each authorized domain manager including a device according claim
12.

19. (New) A method for managing an authorized domain including a plurality of devices, wherein at least two devices of said plurality of devices act as authorized domain managers, said method comprising:

providing each authorized domain manager with a capability of at least managing adding devices to and removing devices from the authorized domain;

arranging a map comprising an identifier area and at least one property area;

storing identifiers corresponding to other devices in the identifier area;

storing properties of the identifiers in said at least one property area;

mapping said at least one property area on said identifier area, such that each individual property of said properties is mapped to an individual one of said identifiers;

arranging said properties so as to provide information about updates thereof;

obtaining map contents of another authorized domain manager managing the same authorised domain;

comparing the contents of the map with said map contents of said another authorized domain manager; and

determining, on basis of the comparison, whether to perform any updates of the map, wherein the determining includes determining that property data regarding an identifier of the map of said another authorized domain manager should be added to the map at fulfilment of at least one condition of a set of conditions comprising at least the condition of the identifier missing in the map and the combined condition of the identifier existing in the map and a comparison value, which assures that the property data regarding the identifier was last acted upon in the map of said another authorized domain manager; and determining said comparison value by a comparison of at least one property of said properties in the map with the corresponding property of the map of said another device.

20.   (New)   A computer program product, directly loadable into the internal memory of a digital computer, comprising software code portions for causing the computer to act as an authorized domain manager, being capable of at least managing adding devices to and removing devices from an authorized domain, and for causing the computer to perform:

providing each authorized domain manager with a capability of at least managing adding devices to and removing devices from the authorized domain;

arranging a map comprising an identifier area and at least one property area;

storing identifiers corresponding to other devices in the identifier area;

storing properties of the identifiers in said at least one property area;

mapping said at least one property area on said identifier area, such that each individual property of said properties is mapped to an individual one of said identifiers;

arranging said properties so as to provide information about updates thereof;

obtaining map contents of another authorized domain manager managing the same authorised domain;

comparing the contents of the own map with said map contents of said another Authorized Domain Manager; and

determining, on basis of the comparison, whether to perform any updates of the map, wherein the determining includes determining that property data regarding an identifier of the map of said another authorized domain manager should be added to the map at fulfilment of at least one condition of a set of conditions comprising at least the condition of the identifier missing in the map and the combined condition of the identifier existing in the map and a comparison value, which assures that the property data

regarding the identifier was last acted upon in the map of said another authorized domain manager; and determining said comparison value by a comparison of at least one property of said properties in the map with the corresponding property of the map of said another device.